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☐ 1. Document ID: US 20040142837 A1

Using default format because multiple data bases are involved.

L1: Entry 1 of 33

File: PGPB

Jul 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040142837

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040142837 A1

TITLE: Alkaline protease

PUBLICATION-DATE: July 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Takaiwa, Mikio</u>	Haga-gun		JP
Okuda, Mitsuyoshi	Haga-gun		JP
Saeki, Katsuhisa	Haga-gun		JP
Kubota, Hiromi	Haga-gun		JP
Hitomi, Jun	Haga-gun		JP
Kageyama, Yasushi	Haga-gun		JP
Shikata, Shitsuw	Wakayama-shi		JP
Nomura, Masafumi	Wakayama-shi		JP

US-CL-CURRENT: 510/226, 435/222, 435/252.31, 435/320.1, 435/69.1, 510/320, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	NMC	Draw D
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☐ 2. Document ID: US 20020064854 A1

L1: Entry 2 of 33

File: PGPB

May 30, 2002

PGPUB-DOCUMENT-NUMBER: 20020064854

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020064854 A1

TITLE: Alkaline protease

PUBLICATION-DATE: May 30, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Takaiwa, Mikio</u>	Tochigi		JP
Okuda, Mitsuyoshi	Tochigi		JP

Saeki, Katsuhisa	Tochigi	JP
Kubota, Hiromi	Tochigi	JP
Hitomi, Jun	Tochigi	JP
Kageyama, Yasushi	Tochigi	JP
Shikata, Shitsuw	Wakayama	JP
Nomura, Masafumi	Wakayama	JP

US-CL-CURRENT: 435/220; 435/252.3, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw D
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☐ 3. Document ID: US 6759228 B2

L1: Entry 3 of 33

File: USPT

Jul 6, 2004

US-PAT-NO: 6759228

DOCUMENT-IDENTIFIER: US 6759228 B2

TITLE: Alkaline protease

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw D
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☐ 4. Document ID: US 6376227 B1

L1: Entry 4 of 33

File: USPT

Apr 23, 2002

US-PAT-NO: 6376227

DOCUMENT-IDENTIFIER: US 6376227 B1

TITLE: Alkaline protease

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw D
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☐ 5. Document ID: US 5635468 A

L1: Entry 5 of 33

File: USPT

Jun 3, 1997

US-PAT-NO: 5635468

DOCUMENT-IDENTIFIER: US 5635468 A

TITLE: Liquefying alkaline .alpha.-amylase, process for producing the same, and detergent composition containing the same

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw D
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☐ 6. Document ID: US 5344770 A

L1: Entry 6 of 33

File: USPT

Sep 6, 1994

US-PAT-NO: 5344770

DOCUMENT-IDENTIFIER: US 5344770 A

TITLE: Bacillus SP. ferm BP-3376 and a method for its use to produce an alkaline proteinase K-16

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 7. Document ID: US 5296367 A

L1: Entry 7 of 33

File: USPT

Mar 22, 1994

US-PAT-NO: 5296367

DOCUMENT-IDENTIFIER: US 5296367 A

TITLE: Alkaline proteinase isolated from bacillus sp.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 8. Document ID: US 5079154 A

L1: Entry 8 of 33

File: USPT

Jan 7, 1992

US-PAT-NO: 5079154

DOCUMENT-IDENTIFIER: US 5079154 A

TITLE: Mutant resistant to cell membrane synthesis inhibitor and process for preparing the same

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 9. Document ID: JP 2003113079 A

L1: Entry 9 of 33

File: JPAB

Apr 18, 2003

PUB-NO: JP02003113079A

DOCUMENT-IDENTIFIER: JP 2003113079 A

TITLE: PYODERMA TREATING AGENT

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 10. Document ID: JP 2002262895 A

L1: Entry 10 of 33

File: JPAB

Sep 17, 2002

PUB-NO: JP02002262895A

DOCUMENT-IDENTIFIER: JP 2002262895 A

TITLE: METHOD FOR MANUFACTURING UNSATURATED FATTY ACID OR ITS DERIVATIVE

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 11. Document ID: JP 09299084 A

L1: Entry 11 of 33

File: JPAB

Nov 25, 1997

PUB-NO: JP409299084A

DOCUMENT-IDENTIFIER: JP 09299084 A

TITLE: LOW-TEMPERATURE ALKALI PROTEASE, MICROORGANISM CAPABLE OF PRODUCING THE SAME, PRODUCTION OF THE SAME, AND DETERGENT COMPOSITION CONTAINING THE ENZYME AND ENZYME PREPARATION FOR FOOD PROCESSING

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 12. Document ID: JP 09299083 A

L1: Entry 12 of 33

File: JPAB

Nov 25, 1997

PUB-NO: JP409299083A

DOCUMENT-IDENTIFIER: JP 09299083 A

TITLE: LOW-TEMPERATURE ALKALI PROTEASE T15, MICROORGANISM CAPABLE OF PRODUCING THE SAME, PRODUCTION OF THE SAME, AND DETERGENT COMPOSITION CONTAINING THE ENZYME AND ENZYME PREPARATION FOR FOOD PROCESSING

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 13. Document ID: JP 09299082 A

L1: Entry 13 of 33

File: JPAB

Nov 25, 1997

PUB-NO: JP409299082A

DOCUMENT-IDENTIFIER: JP 09299082 A

TITLE: LOW-TEMPERATURE ALKALI PROTEASE X, MICROORGANISM CAPABLE OF PRODUCING THE SAME, PRODUCTION OF THE SAME, AND DETERGENT COMPOSITION CONTAINING THE ENZYME AND ENZYME PREPARATION FOR FOOD PROCESSING

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 14. Document ID: JP 09299081 A

L1: Entry 14 of 33

File: JPAB

Nov 25, 1997

PUB-NO: JP409299081A

DOCUMENT-IDENTIFIER: JP 09299081 A

TITLE: LOW-TEMPERATURE ALKALI PROTEASE T16, MICROORGANISM CAPABLE OF PRODUCING THE SAME, PRODUCTION OF THE SAME, AND DETERGENT COMPOSITION CONTAINING THE ENZYME AND ENZYME PREPARATION FOR FOOD PROCESSING

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 15. Document ID: JP 09299080 A

L1: Entry 15 of 33

File: JPAB

Nov 25, 1997

PUB-NO: JP409299080A

DOCUMENT-IDENTIFIER: JP 09299080 A

TITLE: LOW-TEMPERATURE ALKALI PROTEASE S, MICROORGANISM CAPABLE OF PRODUCING THE SAME, PRODUCTION OF THE SAME, AND DETERGENT COMPOSITION CONTAINING THE ENZYME AND ENZYME PREPARATION FOR FOOD PROCESSING

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMNC	Draw. De
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☐ 16. Document ID: JP 09121856 A

L1: Entry 16 of 33

File: JPAB

May 13, 1997

PUB-NO: JP409121856A

DOCUMENT-IDENTIFIER: JP 09121856 A

TITLE: LOW-TEMPERATURE-ACTIVE ALKALI PROTEASE, MICROORGANISM CAPABLE OF PRODUCING THE SAME AND PRODUCTION OF THE PROTEASE

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMNC	Draw. De
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☐ 17. Document ID: JP 08322564 A

L1: Entry 17 of 33

File: JPAB

Dec 10, 1996

PUB-NO: JP408322564A

DOCUMENT-IDENTIFIER: JP 08322564 A

TITLE: PROTEASE HAVING OPTIMUM LOW-TEMPERATURE, MICROORGANISM PRODUCING THE PROTEASE AND PRODUCTION OF THE PROTEASE

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMNC	Draw. De
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☐ 18. Document ID: JP 08322563 A

L1: Entry 18 of 33

File: JPAB

Dec 10, 1996

PUB-NO: JP408322563A

DOCUMENT-IDENTIFIER: JP 08322563 A

TITLE: ALKALI PROTEASE HAVING OPTIMUM LOW-TEMPERATURE, MICROORGANISM PRODUCING THE ALKALI PROTEASE AND PRODUCTION OF THE ALKALI PROTEASE

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMNC	Draw. De
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☐ 19. Document ID: JP 06014775 A

L1: Entry 19 of 33

File: JPAB

Jan 25, 1994

PUB-NO: JP406014775A

DOCUMENT-IDENTIFIER: JP 06014775 A

TITLE: ALKALI ISOMERASE AND MICROORGANISM PRODUCING THE SAME AND PRODUCTION OF THE ALKALI ISOMERASE

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMNC	Draw. De
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☐ 20. Document ID: JP 04349882 A

L1: Entry 20 of 33

File: JPAB

Dec 4, 1992

PUB-NO: JP404349882A

DOCUMENT-IDENTIFIER: JP 04349882 A

TITLE: NEW ALKALINE PROTEASE AND ITS PRODUCTION

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMNC	Draw De
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☐ 21. Document ID: JP 01223161 A

L1: Entry 21 of 33

File: JPAB

Sep 6, 1989

PUB-NO: JP401223161A

DOCUMENT-IDENTIFIER: JP 01223161 A

TITLE: WATER-ABSORPTIVE RESIN COMPOSITION

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMNC	Draw De
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☐ 22. Document ID: JP 01222771 A

L1: Entry 22 of 33

File: JPAB

Sep 6, 1989

PUB-NO: JP401222771A

DOCUMENT-IDENTIFIER: JP 01222771 A

TITLE: MUTANT STRAIN RESISTANT TO CELL MEMBRANE SYNTHESIS INHIBITOR

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMNC	Draw De
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☐ 23. Document ID: JP 01144983 A

L1: Entry 23 of 33

File: JPAB

Jun 7, 1989

PUB-NO: JP401144983A

DOCUMENT-IDENTIFIER: JP 01144983 A

TITLE: PRODUCTION OF UNSATURATED HYDROCARBON AND DERIVATIVE THEREOF

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMNC	Draw De
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☐ 24. Document ID: JP 01144982 A

L1: Entry 24 of 33

File: JPAB

Jun 7, 1989

PUB-NO: JP401144982A

DOCUMENT-IDENTIFIER: JP 01144982 A

TITLE: PRODUCTION OF UNSATURATED FATTY ACID AND DERIVATIVE THEREOF

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMNC	Draw De
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☐ 25. Document ID: JP 60114196 A

L1: Entry 25 of 33

File: JPAB

Jun 20, 1985

PUB-NO: JP360114196A

DOCUMENT-IDENTIFIER: JP 60114196 A

TITLE: PREPARATION OF CARBOXYLIC ACID BY BACTERIUM

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMNC	Draw De
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☐ 26. Document ID: EP 1029920 A1

L1: Entry 26 of 33

File: EPAB

Aug 23, 2000

PUB-NO: EP001029920A1

DOCUMENT-IDENTIFIER: EP 1029920 A1

TITLE: ALKALINE PROTEASE

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 27. Document ID: WO 9918218 A1

L1: Entry 27 of 33

File: EPAB

Apr 15, 1999

PUB-NO: WO009918218A1

DOCUMENT-IDENTIFIER: WO 9918218 A1

TITLE: ALKALINE PROTEASE

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 28. Document ID: WO 9743406 A1

L1: Entry 28 of 33

File: EPAB

Nov 20, 1997

PUB-NO: WO009743406A1

DOCUMENT-IDENTIFIER: WO 9743406 A1

TITLE: COLD ALKALINE PROTEASE, MICROORGANISM PRODUCING THE SAME, PROCESS FOR PRODUCING THE SAME, AND DETERGENT COMPOSITIONS AND FOOD PROCESSING ENZYME PREPARATIONS CONTAINING THE SAME

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 29. Document ID: EP 670367 A1

L1: Entry 29 of 33

File: EPAB

Sep 6, 1995

PUB-NO: EP000670367A1

DOCUMENT-IDENTIFIER: EP 670367 A1

TITLE: LIQUEFYING ALKALINE -g(a)-AMYLASE, PROCESS FOR PRODUCING THE SAME, AND DETERGENT COMPOSITION CONTAINING THE SAME.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 30. Document ID: WO 9426881 A1

L1: Entry 30 of 33

File: EPAB

Nov 24, 1994

PUB-NO: WO009426881A1

DOCUMENT-IDENTIFIER: WO 9426881 A1

TITLE: LIQUEFYING ALKALINE alpha -AMYLASE, PROCESS FOR PRODUCING THE SAME, AND DETERGENT COMPOSITION CONTAINING THE SAME

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	MMMC	Draw De
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☐ 31. Document ID: EP 495401 A1

L1: Entry 31 of 33

File: EPAB

Jul 22, 1992

PUB-NO: EP000495401A1

DOCUMENT-IDENTIFIER: EP 495401 A1

TITLE: Novel alkaline proteinase and process for producing the same.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	MMMC	Draw De
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☐ 32. Document ID: EP 337009 A2

L1: Entry 32 of 33

File: EPAB

Oct 18, 1989

PUB-NO: EP000337009A2

DOCUMENT-IDENTIFIER: EP 337009 A2

TITLE: Mutant resistant to cell membrane synthesis inhibitor and process for preparing the same.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	MMMC	Draw De
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☐ 33. Document ID: EP 319123 A2

L1: Entry 33 of 33

File: EPAB

Jun 7, 1989

PUB-NO: EP000319123A2

DOCUMENT-IDENTIFIER: EP 319123 A2

TITLE: Process for producing unsaturated fatty acid or unsaturated hydrocarbon.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	MMMC	Draw De
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Term	Documents
TAKAIWA	677
TAKAIWAS	0
MIKIO	48995
MIKIOS	8
(TAKAIWA ADJ (MIKIO.IN.)) .PGPB,USPT,USOC,EPAB,JPAB,DWPI.	33
(TAKAIWA MIKIO.IN.) .PGPB,USPT,USOC,EPAB,JPAB,DWPI.	33

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